

CLAIMS

1. An engine starting apparatus comprising, a power generator
which is directly connected with an engine output shaft, and an ignition
5 device which is controlled by a microcomputer using electricity
output from the power generator as a power supply,

wherein the engine starting apparatus further comprises a
humanly operative starting device which rotates a flywheel connected
to the output shaft of the engine,

10 the engine starting apparatus further comprises an initial
igniting function for generating ignition instructions when preset
time is elapsed after a reference signal of an engine rotation position
is first input to the microcomputer after the microcomputer starts
up by the electricity output from the power generator operated by
15 the humanly operative starting device.

2. The engine starting apparatus according to claim 1, wherein
the preset time is set such that the ignition instructions are
generated with ignition angle which is lagged from ignition angle
20 used at the time of rating operation when the engine revolution
number by the operation of the humanly operative starting device
is predetermined lowest starting revolution number.

3. The engine starting apparatus according to claim 1, wherein
25 after the microcomputer generates the ignition instructions by the
initial ignition function, the ignition instructions are generated

at ignition angle corresponding to the engine revolution number.

4. The engine starting apparatus according to any one of claims
1 to 3, wherein the ignition device ignites at ignition angle
5 corresponding to the engine revolution number.